

Title (en)
ACTUATOR FOR DEPLOYABLE IMPLANT

Title (de)
AKTUATOR FÜR EIN EINSETZBARES IMPLANTAT

Title (fr)
ACTIONNEUR POUR IMPLANT DÉPLOYABLE

Publication
EP 3071147 A1 20160928 (EN)

Application
EP 14800079 A 20141120

Priority
• US 201361906727 P 20131120
• US 201414547959 A 20141119
• EP 2014075206 W 20141120

Abstract (en)
[origin: US2015142048A1] Systems and methods are provided for using an actuator to deploy an implant configured to close a tissue puncture or a natural opening in a body. The actuator includes a handle that is rotated in a first direction to deploy a first set of deployable wings of the implant, and that is rotated in a second, opposite direction to deploy a second set of deployable wings of the implant. A guide wire coupled between the implant and the actuator rotates and/or moves axially with the actuator to cause the wings to deploy. After each of the first and second rotation strokes, the handle is prevented from rotating beyond the first and second strokes, respectively. After the wings are deployed to engage tissue therebetween, the handle is operated to eject the implant from the actuator.

IPC 8 full level
A61B 17/00 (2006.01); **A61B 17/42** (2006.01); **A61F 2/24** (2006.01); **A61F 6/20** (2006.01)

CPC (source: EP US)
A61B 17/0057 (2013.01 - EP US); **A61B 17/12031** (2013.01 - US); **A61B 17/12109** (2013.01 - EP US); **A61F 2/2436** (2013.01 - EP US); **A61F 2/2457** (2013.01 - EP US); **A61F 5/0079** (2013.01 - EP US); **A61B 2017/00389** (2013.01 - EP US); **A61B 2017/00429** (2013.01 - EP US); **A61B 2017/00606** (2013.01 - EP US); **A61B 2017/00623** (2013.01 - EP US); **A61B 2017/00646** (2013.01 - EP US); **A61B 2017/00778** (2013.01 - US); **A61B 2017/00986** (2013.01 - EP US); **A61B 2017/12004** (2013.01 - EP US); **A61B 2017/12054** (2013.01 - EP US); **A61B 2017/4233** (2013.01 - EP US); **A61B 2090/0807** (2016.02 - EP US); **A61F 2/2418** (2013.01 - EP US); **A61F 2/2487** (2013.01 - EP US); **A61F 2220/0008** (2013.01 - EP US); **A61F 2220/0075** (2013.01 - EP US); **A61F 2250/0008** (2013.01 - EP US); **A61F 2250/001** (2013.01 - EP US); **A61F 2250/0098** (2013.01 - EP US)

Citation (search report)
See references of WO 2015075151A1

Cited by
US11793640B2; US11419720B2; US11357622B2; US11497602B2; US11779742B2; US11413139B2; US11464631B2; US11491006B2; US11602429B2; US11389291B2; US11737872B2; US10940001B2; US11311376B2; US11389294B2; US11617650B2; US11931254B2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2015142048 A1 20150521; **US 9603600 B2 20170328**; CA 2928098 A1 20150528; CA 2928098 C 20180703; CA 3005369 A1 20150528; CA 3005369 C 20210216; CN 105744916 A 20160706; CN 105744916 B 20181228; EP 3071147 A1 20160928; EP 3071147 B1 20200513; ES 2811116 T3 20210310; WO 2015075151 A1 20150528

DOCDB simple family (application)
US 201414547959 A 20141119; CA 2928098 A 20141120; CA 3005369 A 20141120; CN 201480063228 A 20141120; EP 14800079 A 20141120; EP 2014075206 W 20141120; ES 14800079 T 20141120